## REMARKS

By this amendment, Claims 1, 8, 15, and 17 have been cancelled. Claims 2, 3, 7,

9, 10, 13, 16, and 18 have been amended. Claims 21-25 have been added. Hence,

Claims 2-7, 9-14, 16, and 18-25 are pending in the application.

## I. INTERVIEW SUMMARY

The Applicant thanks the Examiner for the Interview conducted on

January 9, 2002. The interview was between Examiner Sajous and the applicant's

attorney, Craig G. Holmes. Pending Claims 1-20 that were rejected or objected to in the

Office Action were discussed along with U.S. Patent No. 5,956,043 issued to *Jensen*. In

particular, the discussion focused on the following: the 103 rejections of Claims 1, 8, 15,

and 17; the Applicant's proposed amendment to cancel the claims objected to in the

Office Action; the Applicant's proposed amendment to rewrite method Claim 3 and the

corresponding medium, apparatus, and system claims in independent form except for the

step of "selecting..." that the Applicant proposed to put in a new dependent claim; the

Examiner's searches of the prior art and attempt to obtain a copy of *Grunbaum et al.*,

which is cited in the Office Action and referred to in the application; and the status of the

twice submitted Petition for Color Drawings. The Applicant is providing herein the

amendment that was proposed during the Interview.

## II. SUMMARY OF THE REJECTIONS/OBJECTIONS

Claims 1, 8, 15, and 17 have been rejected under 35 U.S.C. § 103(a) as allegedly

unpatentable over U.S. Patent Number. 5,956,043 issued to Jensen (" *Jensen* ") in view of

Grünbaum et al., "Tilings and Patterns," W. H. Freeman & Co., NY, 1986

7

(" *Grunbaum* "). Claims 2-7, 9-14, 16, and 18-20 have been objected to as being

dependent upon a rejected base claim, but would be allowable if rewritten in independent

form including all of the limitations of the base claim and any intervening claims. The

rejections and objections are respectfully traversed.

## III. RESPONSE TO REJECTIONS BASED ON THE PRIOR ART

Claims 1, 8, 15, and 17 have been rejected under 35 U.S.C. § 103(a) as allegedly

unpatentable over *Jensen* in view of *Grunbaum*. By this amendment, Claims 1, 8, 15,

and 17 are cancelled, thereby rendering moot the rejections of Claims 1, 8, 15, and 17.

## IV. RESPONSE TO THE OBJECTIONS

Claims 2-7, 9-14, 16, and 18-20 have been objected to as being dependent upon a

rejected base claim, but would be allowable if rewritten in independent form including all

of the limitations of the base claim and any intervening claims. In this amendment,

Claims 2-7, 9-14, 16, and 18-20 have been rewritten in independent form to include all of

the limitations of the corresponding base claims and any intervening claims, with the

exception of Claims 3, 10, and 18. As amended, Claims 3, 10, and 18 include all of the

limitations of the corresponding base claims and any intervening claims except that the

step of "selecting..." has been removed from the newly written independent Claims 3, 10,

and 18 and put into new dependent Claims 22, 23, and 21, respectively. Claims 22, 23,

and 21 also include the clarification that the aperiodic pattern is selected from a plurality

of tiling patterns that are available for selection. In addition, Claim 24 has been added

based on amended Claim 16 to clarify that that the aperiodic pattern is selected from a

plurality of tiling patterns that are available for selection, and Claim 25 has been added to

include two additional "means for..." limitations for "receiving..." and "covering..." as

indicated in Claim 25. The Applicant respectfully submits that Claims 2-7, 9-14, 16,

and 18-20 as amended address the objections of the Office Action. Therefore, the

Applicant respectfully submits that Claims 2-7, 9-14, 16, and 18-25 are allowable over

the art of record and are in condition for allowance.

## V. CONCLUSION

For the reasons set forth above, it is respectfully submitted that all of the pending

claims are now in condition for allowance. Therefore, the issuance of a formal Notice of

Allowance is believed next in order, and that action is most earnestly solicited.

The Examiner is respectfully requested to contact the undersigned by telephone if

it is believed that such contact would further the examination of the present application.

To the extent necessary, a petition for an extension of time under 37 C.F.R.

§ 1.136 is hereby made. Please charge any fee shortages or credit any overages Deposit

Account No. 50-1302.

Respectfully submitted,

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| CERTIFICATE OF MAILING |
| --- |
| I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Hon. Commissioner for Patents, BOX AMEND, Washington, DC 20231 |
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9

## MARKED-UP VERSION OF ALL CLAIMS

All pending claims are reproduced below in marked-up form, whether or not

amended, for the convenience of examination.

1   1.   (Cancelled)

1   2.   (Once Amended) [The method of Claim 1,] <u>A method for performing textured mapping</u>

2       <u>of a target area, the method comprising the steps of:</u>

3       <u>receiving input that defines a texture image; and</u>

4       <u>covering the target area in an aperiodic tiling pattern with tiles generated from said</u>

5           <u>texture image;</u>

6       wherein the step of receiving input that defines the texture image includes the step of

7           scanning one or more texture images into memory.

1   3.   (Once Amended) [The method of Claim 1,] <u>A method for performing textured mapping</u>

2       <u>of a target area, the method comprising the steps of:</u>

3       <u>receiving input that defines a texture image; and</u>

4       <u>covering the target area in an aperiodic tiling pattern with tiles generated from said</u>

5           <u>texture image;</u>

6       wherein the step of covering the target area includes the steps of:

7       [selecting an aperiodic tiling pattern;]

8       generating a set of textured tiles based on said aperiodic tiling pattern; and

9       applying the textured tiles to the target area.

Docket No. 49658-0025

1   4.   (Not Amended) The method of Claim 3, wherein the step of applying the textured

2       aperiodic tiles to the target area includes the steps of:

3       covering the target area with one or more aperiodic tiles, wherein the one or more

4          aperiodic tiles are based on the aperiodic tiling pattern; and

5       mapping a corresponding textured tile to each of the one or more aperiodic tiles.

1   5.   (Not Amended) The method of Claim 3, wherein the step of applying the textured tiles to

2       the target area includes the steps of:

3       generating a tiling, wherein the tiling is associated with tiles based on said aperiodic tiling

4          pattern;

5       covering the target area with said tiling; and

6       mapping the textured tiles to the tiles associated with said tiling.

1   6.   (Not Amended) The method of Claim 5, wherein the step of generating the tiling

2       includes the steps of:

3       determining a substitution tiling level; and

4       performing a tiling substitution based on said substitution tiling level to generate said

5          tiling.

1   7.   (Once Amended) [The method of Claim 1,] A method for performing textured mapping

2       of a target area, the method comprising the steps of:

3       receiving input that defines a texture image; and

4       covering the target area in an aperiodic tiling pattern with tiles generated from said

5          texture image;

6       wherein the step of receiving input that defines the texture image includes the step of

7          generating the texture image using a computer aided drawing program.

1    8.    (Cancelled)

1    9.    (Once Amended) [The computer-readable medium of Claim 8,] A computer-readable

2          medium carrying one or more sequences of instructions for performing textured mapping

3          of a target area, wherein execution of the one or more sequences of instructions by one or

4          more processors causes the one or more processors to perform the steps of:

5          receiving input that defines a texture image; and

6          covering the target area in an aperiodic tiling pattern with tiles generated from said

7                texture image;

8          wherein the step of receiving input that defines the texture image includes the step of

9                scanning one or more texture images into memory.

1    10.   (Once Amended) [The computer-readable medium of Claim 8,] A computer-readable

2          medium carrying one or more sequences of instructions for performing textured mapping

3          of a target area, wherein execution of the one or more sequences of instructions by one or

4          more processors causes the one or more processors to perform the steps of:

5          receiving input that defines a texture image; and

6          covering the target area in an aperiodic tiling pattern with tiles generated from said

7                texture image;

8          wherein the step of covering the target area includes the steps of:

9          [selecting an aperiodic tiling pattern;]

10         generating a set of textured tiles based on said aperiodic tiling pattern; and

11         applying the textured tiles to the target area.

Docket No. 49658-0025

1   11.   (Not Amended)  The computer-readable medium of Claim 10, wherein the step of

2          applying the textured aperiodic tiles to the target area includes the steps of:

3          covering the target area with one or more aperiodic tiles, wherein the one or more

4                  aperiodic tiles are based on the aperiodic tiling pattern; and

5          mapping a corresponding textured tile to each of the one or more aperiodic tiles.


1   12.   (Not Amended)  The computer-readable medium of Claim 10, wherein the step of

2          applying the textured tiles to the target area includes the steps of:

3          generating a tiling, wherein the tiling is associated with tiles based on said aperiodic tiling

4                  pattern;

5          covering the target area with said tiling; and

6          mapping the textured tiles to the tiles associated with the tiling.


1   13.   (Once Amended)  [The computer-readable medium of Claim 8,] A computer-readable

2          medium carrying one or more sequences of instructions for performing textured mapping

3          of a target area, wherein execution of the one or more sequences of instructions by one or

4          more processors causes the one or more processors to perform the steps of:

5          receiving input that defines a texture image; and

6          covering the target area in an aperiodic tiling pattern with tiles generated from said

7                  texture image;

8          wherein the step of receiving input that defines the texture image includes the step of

9                  generating the texture image using a computer aided drawing program.

1   14.   (Not Amended)  The computer-readable medium of Claim 12, wherein the step of

2         generating the tiling includes the steps of:

3         determining a substitution tiling level; and

4         performing a tiling substitution based on said substitution tiling level to generate said

5              tiling.

1   15.   (Cancelled)

1   16.   (Once Amended)  [The system of Claim 15, further comprising:] <u>A system for</u>

2         <u>performing textured mapping of a target area, the system comprising:</u>

3         <u>a display screen;</u>

4         <u>a target area on said display screen;</u>

5         <u>memory storing a textured image;</u>

6         <u>a plurality of texture tiles generated from said texture image and arranged on said screen</u>

7              <u>display in an aperiodic pattern that substantially covers said target region; and</u>

8         means for selecting said aperiodic pattern.

1   17.   (Cancelled)

1    18.    (Once Amended) [The apparatus of claim 17,] An apparatus for performing textured

2           mapping of a target area, the apparatus comprising:

3           means for receiving input that defines a texture image; and

4           means for covering the target area in an aperiodic tiling pattern with tiles generated from

5                  said texture image;

6        .   wherein said means for covering the target area includes:

7           [means for selecting said aperiodic tiling pattern;]

8           means for generating a set of textured tiles based on said aperiodic tiling pattern; and

9           means for applying the textured tiles to the target area.


1    19.    (Not Amended)  The apparatus of claim 18, wherein said means for applying the textured

2           tiles to the target area includes:

3           means for covering the target area with one or more aperiodic tiles,-wherein the one or

4                  more aperiodic tiles are based on the aperiodic tiling pattern; and

5           means for mapping a corresponding textured tile to each of the one or more aperiodic

6                  tiles.


1    20.    (Not Amended)  The apparatus of claim 18, wherein said means for applying the textured

2           tiles to the target area includes:

3           means for generating a tiling, wherein the tiling is associated with tiles based on said

4                  aperiodic tiling pattern;

5           means for covering the target area with said tiling; and

6           means for mapping the textured tiles to the tiles associated with said tiling.

1  21.  (New) The apparatus of claim 18, further comprising:

2      means for selecting said aperiodic tiling pattern from a plurality of tiling patterns that are

3          available for selection.

1  22.  (New) The method of Claim 3, further comprising the step of:

2      selecting said aperiodic tiling pattern from a plurality of tiling patterns that are available

3          for selection.

1  23.  (New) The computer-readable medium of Claim 10, further comprising instructions,

2      which when executed by one or more processors causes the one or more processors to

3      perform the step of:

4      selecting said aperiodic tiling pattern from a plurality of tiling patterns that are available

5          for selection.

1  24.  (New) The system of Claim 16, wherein the means for selecting said aperiodic pattern

2      includes means for selecting said aperiodic pattern from a plurality of tiling patterns that

3      are available for selection.

1  25.  (New) The system of Claim 16, further comprising:

2      means for receiving input that defines a texture image; and

3      means for covering the target area in an aperiodic tiling pattern with tiles generated from

4          said texture image.

7